

Message

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Sent: 7/10/2018 1:33:23 PM
To: Libertz, Catherine [Libertz.Catherine@epa.gov]
Subject: FW: Follow-up on Ethylene Oxide questions
Attachments: RA request for briefing (EtO)_062118.docx; RA BRIEF_EtO_07022018.docx

Hi Cathy,

Thanks for your time this morning in discussing the air toxics issue. I have attached the two documents I provided in hard copy, and below is some additional information that Alice provided.

Please let me know if there is any additional information I can provide, and thank you for your offer of support.

Best,
Mary Cate

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From: Chow, Alice
Sent: Tuesday, July 03, 2018 1:29 PM
To: Servidio, Cosmo <Servidio.Cosmo@epa.gov>; Fields, Jenifer <fields.jenifer@epa.gov>; Mastro, Donna <Mastro.Donna@epa.gov>; Opila, MaryCate <Opila.MaryCate@epa.gov>
Cc: Arnold, David <arnold.david@epa.gov>
Subject: Follow-up on Ethylene Oxide questions

Please see below for answers to questions raised at our briefing on Monday:

Regions with EtO sources greater than 100 in a million cancer risk:

Region	# of Facilities
2	2
3	4
4	2
5	3
6	13
7	2
8	1

Properties: It's colorless and flammable at room temperature with a faintly sweet odor of ether.

Process Controls:

Braun Med. Inc, Allentown, PA—has a catalytic oxidizer for its EtO sterilization process.

Croda, New Castle, DE—has a scrubber for its surfactant manufacturing process, consumer end uses include shampoos, lotions and cleaning products.

Union Carbide, Institute Plant, WV*—emissions are flared for its production of consumer products including shampoo, contact lens products, paint, pharmaceuticals, liquid detergent, all-purpose cleaners, sinus tablets, antifreeze, hair spray and nail polish remover

Union Carbide, South Charleston, WV*-- has a scrubber for its production of lubricants, adhesives, sealants, cosmetics, soaps.

*--Waiting for WV confirmation

Feel free to pass on additional questions, we plan to update you as information gets disseminated down to us.

Alice

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